

# AMENDMENTS TO THE SPECIFICATION:

Please Replace Paragraph [00036] with the following:

[00036] Referring now to **FIGURE 1**, there is illustrated a flow diagram for classifying whether a digital audio signal is speech or music. At  $\pm 5$ , the digital audio signal is divided into a set of frames. The frames comprise a fixed number of digital audio samples from the digital audio signal. Additionally, frames can be processed in a number of ways, such as by a decimator, pre-emphasis filter, or a windowing function, to name a few.

Please Replace Paragraph [00037] with the following:

[00037] At  $\pm 10$ , a finite number of Linear Prediction coefficients (LPC) are calculated for each frame. In general, the inherent limitations of the human vocal tract allow a speech signal spectrum to be shaped by fewer LPC coefficients than a music signal. Accordingly, at  $\pm 15$  the inverse filter response of the frame to an inverse filter according to the LPC coefficients (the residual signal) calculated during  $\pm 10$  is taken and the residual energy is measured at  $\pm 17$ . The residual energy of the filter response is compared at  $\pm 20$  to an energy threshold.

Please Replace Paragraph [00038] with the following:

[00038] If the residual energy exceeds the threshold, at  $\pm 20$ , the frame is classified ( $\pm 25$ ) as music. If the residual energy does not exceed the threshold at  $\pm 20$ , the frame is classified ( $\pm 30$ ) as speech.